

ADP File

3 April 1969

MEMORANDUM FOR THE RECORD

SUBJECT: Meeting of the Automap Data Bank Study
Group, 2 April 1969

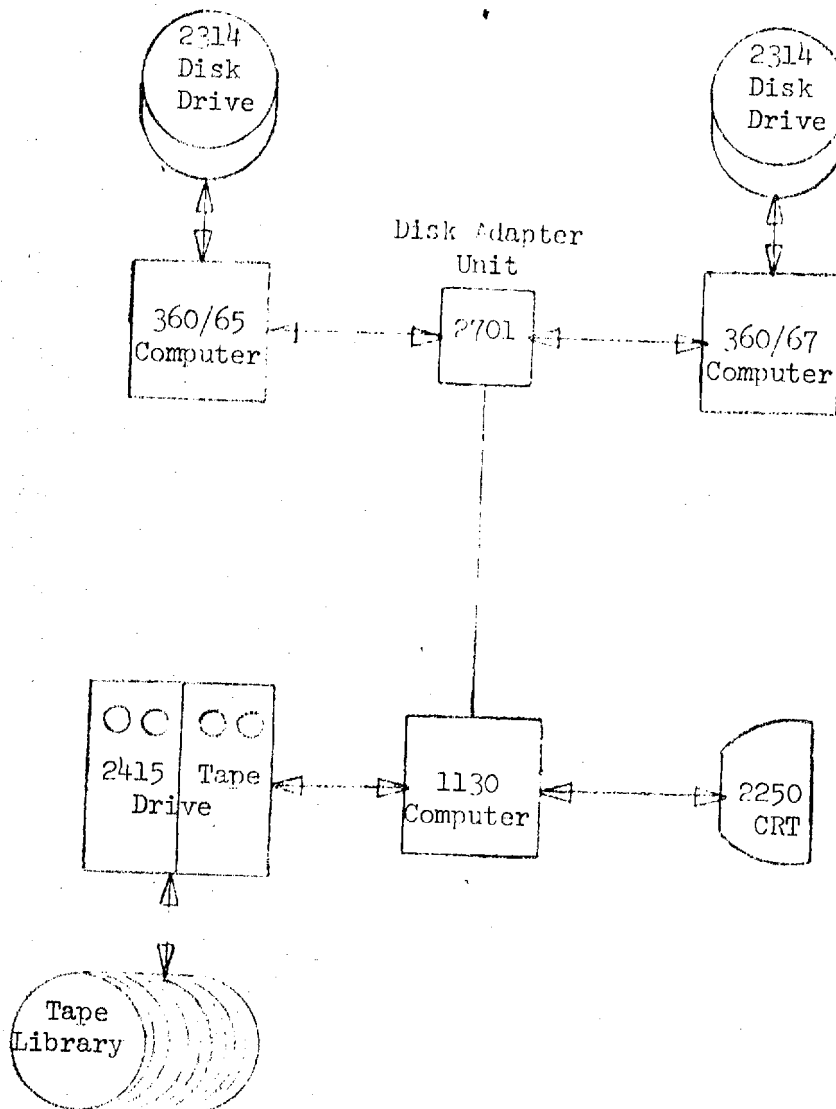
1. The committee met on this date with only ~~25X1A9a~~ absent. ~~25X1A9a~~ observed that in the second sentence of Paragraph 2.d. of the minutes of the March 20th meeting, the words "dedicated disk drive" should be changed to "available disk drive." This correction signifies that the disk would be available by prearrangement but not continuously on-line. It was also reported that with 14% of the land area of the world digitized, the final size of Data Bank II is projected at 1,045,000 points. This includes the coastlines, rivers, and boundaries only.
2. The question was raised on the need for a larger central computer versus a smaller computer located in a graphics center. The reply was made that the plot program (CAM) alone requires from 3 to 30 times the amount of memory resident in a typical small computer. This would necessitate fragmenting the modules of CAM and thereby destroying its effectiveness.
3. The configuration proposed last week was again discussed (see illustration). The suggested IBM 1130 computer will have a core size of 16K with a 512K disk cartridge. The only tape drive available with an 1130 is a Model 2415. This unit has individually addressable, 7, 9, or mixed 7 and 9 track, twin tape drives. Two drives would permit both input of data bank tapes and reception of the plot data on tape. The possibility that the time-sharing system may be too slow for Automap was raised. It was learned, unfortunately after the meeting, that a switch will permit connection with either the 360/65 or 360/67 computers giving the user a choice of either remote job entry or time-sharing modes. The relative merits of tape versus disk storage were discussed. Apparently, OCS can now pack all of Data Bank II on a single tape but at the expense of slower serial retrieval. It would take two or more disks to accomplish the same task and entry would be restricted to a single drive in the Computer Center. The question of which should come first, the selection of the storage medium or the establishment of the data organization, was unresolved at the end of the session. The cartographers agreed to tackle that problem before the next meeting which will be announced.

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PROPOSED CONFIGURATION
4/3/69

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